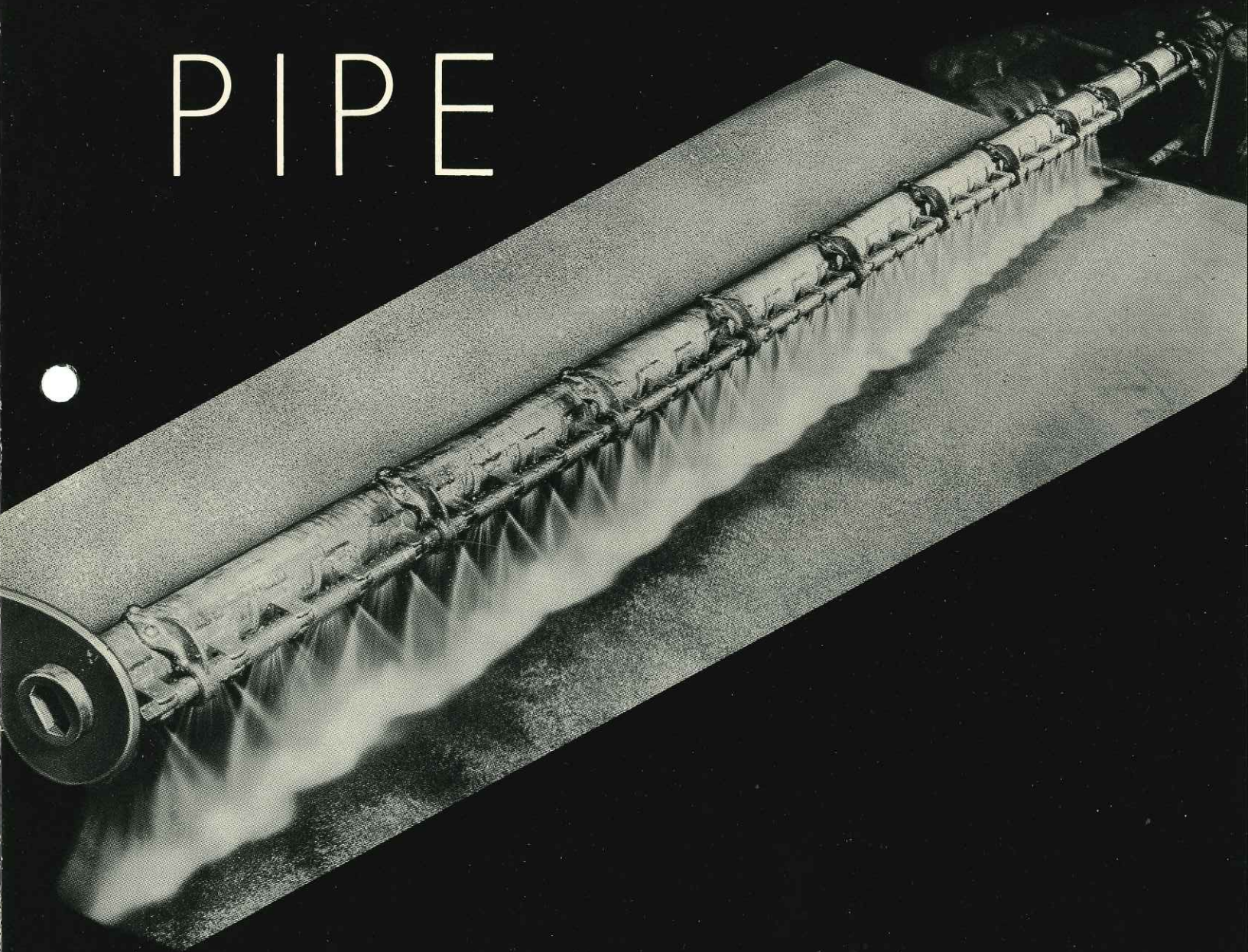


THE BIRD SELF-CLEANING SHOWER PIPE



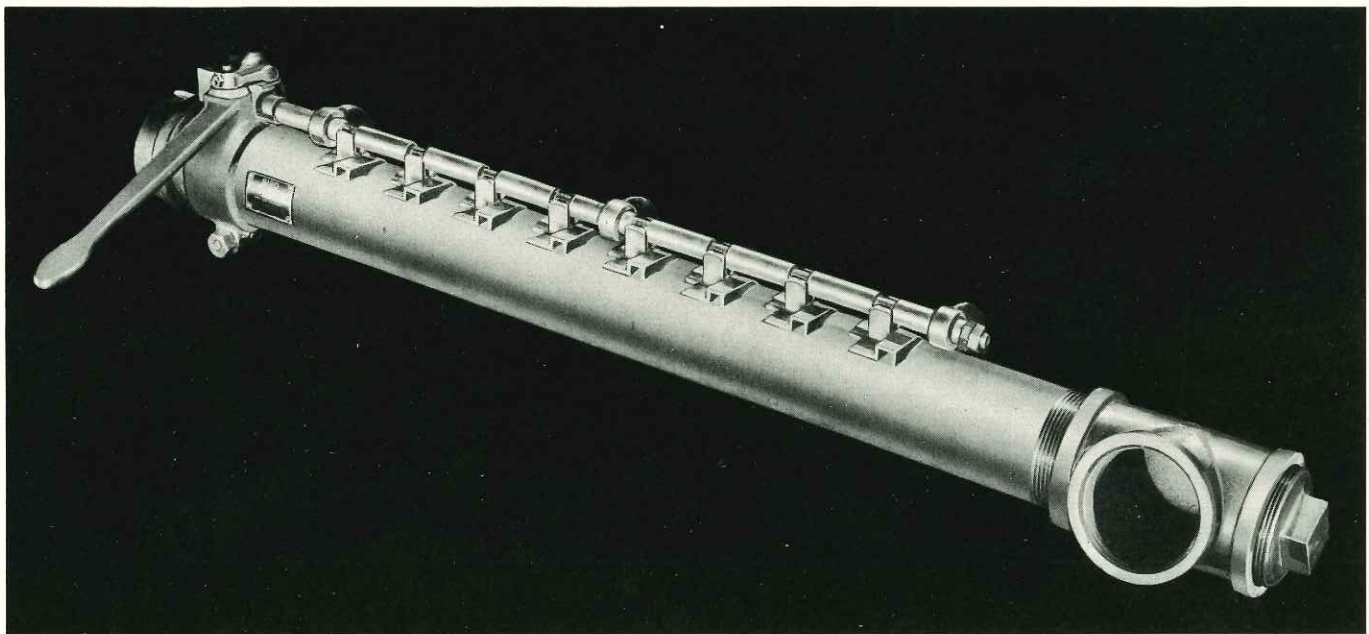
FOR FRESH WATER OR WHITE WATER

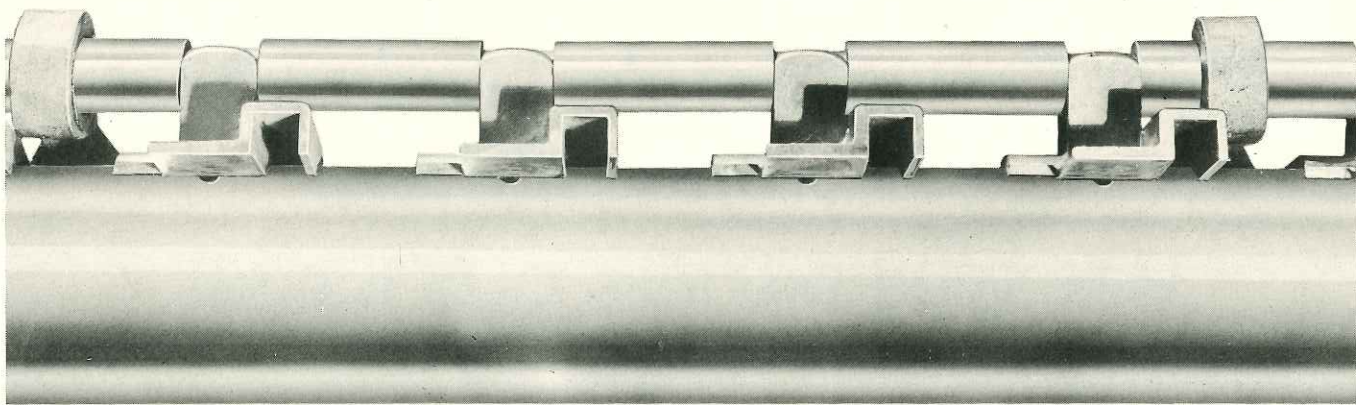
HERE is a shower pipe that has a number of worth while advantages not possessed by any other shower pipe on the market.

1. It is **self-cleaning**. The Bird Shower Pipe is the only shower pipe that is built to operate continuously at full efficiency. Its self-cleaning construction prevents filling up or clogging regardless of water conditions.

2. It **operates equally well with white or fresh water**. Because of its ability to function perfectly and uniformly at all times the Bird Shower Pipe should be used in every place a shower is employed. It is the only pipe that can handle white water successfully and continuously and it has a great advantage over ordinary shower pipes on fresh water as well.

3. It **uses a minimum of fresh or white water**. The Bird Shower Pipe has been skillfully engineered to produce a uniform and highly efficient scouring action over every inch of showered surface and do it with the smallest possible volume of water.





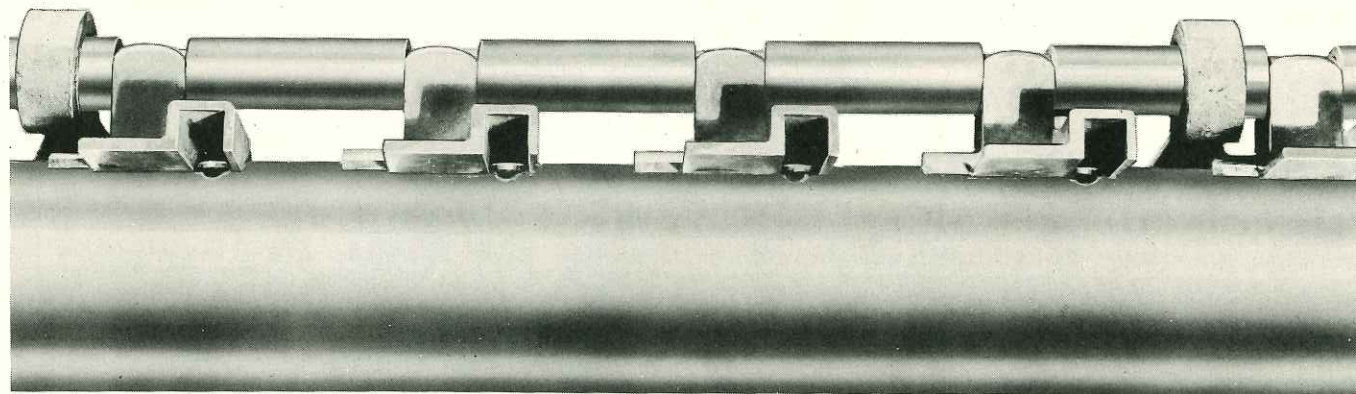
Close-up of the Bird Self-Cleaning Shower Pipe with the deflectors in operating position, ready to produce a shower of maximum scouring action with minimum water volume.

Construction Features

Bird Self-Cleaning Shower Pipes are of extremely rigid construction. They are built for long, continuous operation under the toughest mill conditions. The specially designed deflectors that produce a shower of maximum efficiency with minimum volume of water are smoothly rounded. They cannot damage felts or other moving parts. The handle which is simply shifted back and forth to provide instant and complete cleaning action is equipped with a sturdy, compact rack and pinion mechanism for smooth, powerful, straight line thrust. Sleeve separators on the shifting rod assure positive shift and make it easy to replace deflectors. The shifting rod brackets are of extra large size and Babbitt lined for extreme ease of shifting.

Water Economy

The Bird Self-Cleaning Shower Pipe has been the means of effecting savings for paper makers out of all proportion to the small investment involved. The reason is that it has made possible the full and free use of white water in showers. It has resulted in enormous savings in fresh water and its handling and filtering and, most important of all, in fibre formerly carried away in white water that was permitted to go to waste. All other shower pipes when operated with white water fill up with fibres and cease to function after a few hours' operation. The Bird Shower Pipe is handling millions of gallons of white water daily. Its self-cleaning feature makes it work every bit as efficiently with white water as with fresh water.



A simple shift of the handle moves the deflectors to the cleaning position, uncovering the large openings to flush out the dirt or collected fibres just like opening a valve in a pipe.

Water Consumption Per Hundred Inches Of Shower Width

Holes Spaced Three Inches Center to Center

Pounds Pressure	G.P.M. For Bird Screen Shower, 32 Holes		G.P.M. Per single hole in Bird Shower	
	<i>Fresh Water</i>	<i>White Water</i>	<i>Fresh Water</i>	<i>White Water</i>
25	35.2	60.6	1.10	1.89
30	38.0	65.1	1.18	2.03
35	40.5	69.2	1.26	2.16
40	43.0	73.7	1.34	2.32
50	49.5	82.5	1.55	2.58

Your Idea of the Perfect Shower

Many miles of Bird Self-Cleaning Shower Pipes are now operating in mills making every grade. They are used with both white water and fresh water on Fourdrinier wires, cylinder moulds, screens, felts, thickeners, washers — everywhere a dependable, thorough shower is needed.

The difference between well designed, continuously efficient showers and showers that are periodically out of commission or operating at a fraction of their efficiency, because

clogged, may have a very marked effect on the efficiency and economy of the entire paper making process.

The Bird Self-Cleaning Shower Pipe has been designed and manufactured to conform to the Bird Machine Company's policy of building only items of equipment that will produce the highest net return on the user's investment. We offer it with confidence that you will find it the one best shower pipe for your use either with white or fresh water.